

**WEST****Create A Case**

Select?	Database	Query	Plural	Op	Thesaurus	Set Name
<input checked="" type="checkbox"/>	USPT,PGPB,JPAB,EPAB,DWPI	frizzled 5 receptor	YES	ADJ	ASSIGNEE	L1
<input checked="" type="checkbox"/>	USPT,PGPB,JPAB,EPAB,DWPI	hfz5	YES	ADJ	ASSIGNEE	L2
<input checked="" type="checkbox"/>	USPT,PGPB,JPAB,EPAB,DWPI	frizzed 5	YES	ADJ	ASSIGNEE	L3

Please enter the case name: 09847102

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**Rules for naming Cases**

- Case names can only contain alphanumeric characters including underscore (\_).
- Any other special characters or punctuation characters will be automatically removed prior to saving the case.
- All white space characters will be replaced by an underscore.

Your SELECT statement is:  
s frizzled(w)5 and (cancer or tumor)

09/847,102

Items	File
4	5: Biosis Previews(R)_1969-2003/Jul W1
2	34: SciSearch(R) Cited Ref Sci_1990-2003/Jul W1
1	73: EMBASE_1974-2003/Jul W1
1	144: Pascal_1973-2003/Jun W5
3	155: MEDLINE(R)_1966-2003/Jul W1
2	159: Cancerlit_1975-2002/Oct
3	399: CA SEARCH(R)_1967-2003/UD=13902

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2003/Jul W1  
(c) 2003 BIOSIS

File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jul W1  
(c) 2003 Inst for Sci Info

File 73:EMBASE 1974-2003/Jul W1  
(c) 2003 Elsevier Science B.V.

**\*File 73: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.**

File 155:MEDLINE(R) 1966-2003/Jul W1  
(c) format only 2003 The Dialog Corp.

**\*File 155: Medline has been reloaded and accession numbers have changed. Please see HELP NEWS 155.**

File 159:Cancerlit 1975-2002/Oct  
(c) format only 2002 Dialog Corporation

**\*File 159: Cancerlit ceases updating with immediate effect.**  
Please see HELP NEWS.

File 399:CA SEARCH(R) 1967-2003/UD=13902  
(c) 2003 American Chemical Society

**\*File 399: Use is subject to the terms of your user/customer agreement.**  
Alert feature enhanced for multiple files, etc. See HELP ALERT.

Set	Items	Description
S1	67	FRIZZLED(W)5
S2	19	S1 AND (CANCER? OR TUMOR? OR NEOPLA?)
S3	11	RD (unique items)

3/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)  
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13831714 BIOSIS NO.: 200200460535

**Wnt5a signaling directly affects cell motility and invasion of metastatic melanoma.**

AUTHOR: Weeraratna Ashani T; Jiang Yuan; Hostetter Galen; Rosenblatt Kevin; Duray Paul; Bittner Michael; Trent Jeffrey M(a)

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E-Mail: jtrent@nih.gov

JOURNAL: Cancer Cell 1 (3):p279-288 April, 2002

MEDIUM: print

ISSN: 1535-6108

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

**ABSTRACT:** Gene expression profiling human melanoma cells demonstrating increased cell motility and invasiveness. The gene WNT5A best determined in vitro invasive behavior. Melanoma cells were transfected with vectors constitutively overexpressing Wnt5a. Consistent changes included actin reorganization and increased cell adhesion. No increase in beta-catenin expression or nuclear translocation was observed. There was, however, a dramatic increase in activated PKC. In direct correlation with Wnt5a expression and PKC activation, there was an increase in melanoma cell invasion. Blocking this pathway using antibodies to Frizzled - 5, the receptor for Wnt5a, inhibited PKC activity and cellular invasion. Furthermore, Wnt5a expression in human melanoma biopsies directly correlated to increasing tumor grade. These observations support a role for Wnt5a in human melanoma progression.

3/2/5 (Item 5 from file 5)  
DIALOG(R) File 5: Biosis Previews(R)  
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13145296 BIOSIS NO.: 200100352445

**Molecular cloning and characterization of human Frizzled - 5 gene on chromosome 2q33.3-q34 region.**

AUTHOR: Saitoh Tetsuroh; Hirai Momoki; Katoh Masaru(a)

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JOURNAL: International Journal of Oncology 19 (1):p105-110 July, 2001

MEDIUM: print

ISSN: 1019-6439

DOCUMENT TYPE: Article

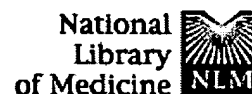
RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

**ABSTRACT:** Hfz5 is a potent **cancer** associated gene, encoding WNT receptor with the potential to activate beta-catenin - TCF signaling pathway. Here, human **Frizzled - 5** (FZD5) gene and cDNAs were cloned and characterized. FZD5 was almost identical to Hfz5, except for six amino-acid substitutions at codon 88, 262, 263, 345, 357, and 402. HF5S1 probe (nucleotide position 2036-2535 of FZD5 cDNA) hybridized to 7.5- and 3.5-kb FZD5 mRNAs, and HF5S2 probe (nucleotide position 5572-6194 of FZD5 cDNA) hybridized only to 7.5-kb FZD5 mRNA. FZD5 cDNA was polyadenylated at the nucleotide position 6534, while several FZD5 ESTs were polyadenylated at the nucleotide position 2561. The 7.5- and 3.5-kb FZD5 mRNAs were transcribed probably due to alternative splicing. FZD5 was highly expressed in fetal liver and adult pancreas, and moderately expressed in fetal lung, kidney and adult liver. Among human **cancer** cell lines, FZD5 was highly expressed in K-562 cells derived from chronic myelogenous leukemia. FZD5 gene, consisting of two exons, was mapped to human chromosome 2q33.3-q34 region, near the FZD7 gene and the FRA2I fragile site. These results suggest that FZD5 up-regulation might play key roles in chronic myelogenous leukemia through activation of the WNT - beta-catenin - TCF signaling pathway.

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#18	Related Articles for PubMed (Select 11408929)	09:51:25	<u>275</u>
#16	Search International journal of oncology[jour] AND 19[volume] AND 105[page] Field: Title Word	09:51:01	<u>1</u>
#15	Search #9 AND tumor	08:52:36	<u>4</u>
#11	Search #9 AND cancer	08:51:29	<u>3</u>
#10	Search #9 AND expression in cancer cells	08:51:04	<u>0</u>
#9	Related Articles for PubMed (Select 8626800)	08:50:37	<u>104</u>
#7	Search j biol chem[jour] AND 271[volume] AND 4468[page] Field: Title Word	08:23:21	<u>1</u>
#5	Search proc. natl. acad. sci. usa.[jour] AND 95 [volume] AND 10164[page] Field: Title Word	08:16:20	<u>1</u>
#4	Search proc. natl. acad. sci. usa.[jour] AND 95 [volume] AND 10169[page] Field: Title Word	08:15:58	<u>0</u>
#3	Search proc natl acad sci usa[jour] AND 95 [volume] AND 10169[page] Field: Title Word	08:15:23	<u>0</u>
#1	Search science[jour] AND 275[volume] AND 1652[page] Field: Title Word	08:12:01	<u>1</u>

Clear History

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Jul 8 2003 10:56:01